

ABSTRACT

A design system designs a first antenna system in a communication system. The design system retrieves demographic information of customers from a first database system. The design system determines communication traffic based on the demographic information. The design system retrieves parameters of a second antenna system from a second database system. The design system determines an antenna system configuration for the first antenna system based on the communication traffic and the parameters of the second antenna system. The design system then determines a performance of the first antenna system in response to determining the antenna system configuration for the first antenna system.